

UNITED STATES PLANT PATENT APPLICATION

of

L. PERNILLE AND MOGENS N. OLESEN

for

ROSE PLANT NAMED

'POULpm003'

SUMMARY OF THE INVENTION

BOTANICAL CLASSIFICATION

Rosa hybrid

VARIETY DENOMINATION

5 'Poulpm003'

The present invention constitutes a new and distinct variety of garden rose plant which originated from a controlled crossing between the 10 female seed parent, an un-named seedling, and the male pollen parent, 'FRYjingo', a non-patented rose variety. The two parents were crossed during the summer of 1993 and the resulting seeds were planted in a controlled environment in Fredensborg, Denmark. The 15 new variety is named 'Poulpm003'.

The new variety may be distinguished from its female seed parent, an un-named seedling, by the following combination of characteristics:

1. While the seed parent has an open flower size of 100-130 mm, 'Poulpm003' is 80 mm.
2. The seed parent has a higher average petal count than 'Poulpm003'.

The new variety may be distinguished from its male 25 pollen parent, 'FRYjingo' by the following combination of characteristics:

1. While the pollen parent has more orange

and red pigment in the flower color than
'Poulpm003'.

2. The pollen parent has more of an uneven
growth habit than 'Poulpm003'.

5 The objective of the hybridization of this rose
variety was to create a new and distinct variety for
garden use with unique qualities, such as:

10 1. Uniform and abundant yellow flowers;
2. Vigorous, compact, and even growth when
propagated as a budded rose and on its own
roots;

3. Disease resistance.

15 This combination of qualities is not present in
previously available commercial cultivars of this
type, known to the inventors, and distinguish
'Poulpm003' from all other varieties of which we are
aware.

20 As part of their rose development program, L.
Pernille Olesen and Mogens N. Olesen germinated the
seeds from the aforementioned hybridization during
winter of 1994 and conducted evaluations on the
resulting seedlings in a controlled environment in
Fredensborg, Denmark.

25 'Poulpm003' was selected in the spring of 1994 by
the inventors as a single plant from the progeny of
the aforementioned hybridization.

Asexual reproduction of 'Poulpm003' by traditional budding and rooted cuttings was first done by L. Pernille and Mogens N. Olesen in their nursery in Fredensborg, Denmark in July, 1994. This initial and 5 other subsequent asexual propagations conducted in controlled environments have demonstrated that the characteristics of 'Poulpm003' are true to type and are transmitted from one generation to the next.

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BRIEF DESCRIPTION OF THE DRAWING

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The accompanying color illustration shows as true as is reasonably possible to obtain in color photographs of this type, the typical characteristics of the buds, flowers, leaves, and stems, of 'Poulpm003'.

Specifically illustrated in figure 1:

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Fig 1.1; Open flower from above, and open flower from the side showing attachment of sepals and peduncle;

Fig 1.2; Flower bud closed, flower bud as sepals unfold, and partially open;

Fig 1.3; Sepals, receptacle, and peduncle;

Specifically illustrated in figure 2:

25

Fig 2.1; Petals, detached;

Fig 2.2; Juvenile shoot, leaves, and flower

5 bud exhibiting anthocyanin;

Fig. 2.3; Mature trifoliate leaf;

Fig. 2.4; Bare stems.

DETAILED DESCRIPTION OF THE VARIETY

The following is a description of 'Poulpm003', as observed in its growth in a field nursery in Jackson County, Oregon. Observed plants are 3 years of age, and were grown on *Rosa multiflora* understock.

10 Color references are made using the Royal Horticultural Society (London, England) Colour Chart, 1995, except where common terms of color are used.

For a comparison, several physical characteristics of the rose variety 'Wingold', described and illustrated in U.S. Plant Patent Number 12,739 dated July 2, 2002 are compared to 'Poulpm003' in Chart 1.

CHART 1

	'Poulpm003'	'Wingold'
20	General tonality.	Yellow Group 4D.
	Petalage.	30 petals
25	Petal Color upon opening: inner petals upper surface	Yellow Group 6C with light intonations of Yellow-Orange Group 22A at petal margins

FLOWER AND FLOWER BUD

Blooming habit:	Recurrent.
Flower bud:	
Size:	Upon opening, 30 mm in length from base of receptacle to end of bud.
	Bud diameter is 20 mm.
Bud form:	Broad based.
Bud color:	As sepals unfold, petals are Yellow-Green Group 150C with intonations of Red Group 47B at petal margins. At $\frac{1}{4}$ opening petals change color to Yellow Group 6C.
Sepals:	
	Upper Surface:
Color:	Yellow-Green Group 145A.
Surface:	Somewhat pubescent.
	Lower Surface:
Color:	Yellow-Green Group 144A-B
	Anthocyanic pigments the color of Greyed-Red Group 179A observed.
Texture:	Smooth. Stipitate glands

observed, medium in quantity.

Sepal Shape: Sepal apex is cirrhose. Base is flat at union with 5 receptacle.

Sepal Margin: Margins have medium foliaceous appendages on three of the five sepals. Size: 35 mm long by 12 mm wide.

10 Receptacle:

Surface Texture: Smooth. Shape: Broadly funnel shaped. Size: 5 mm (h) x 12 mm (w). Color: Yellow-Green Group 144A.

15 Peduncle:

Surface: Smooth with few stipitate glands. Length: 60 to 70 mm average length.

20 Color: Yellow-Green Group 144A. Strength: Strong. Borne: Singularly.

Flower bloom:

25 Fragrance: Moderate rose. Duration: The blooms have a duration

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on the plant of
approximately 10 to 14
days. Petals fall cleanly
away from plant after
flowers have fully
matured.

Size: Flower diameter is 80 mm
when open. Average flower
depth is 40 mm.

10

Form: General shape is a deep
cup, double flower, with
petals that curve out from
the center.

Form: Viewed from the side:

15

Upon opening, upper part:
Flat.

Upon opening, lower part:
Concave.

Open flower, upper part:

Flat.

Open flower, lower part:
Concave.

20

Petalage: 30 petals under normal conditions
with 3 petaloids.

25

Color:

Upon opening, petals:

Outermost petals:

Outer side: Yellow Group 4D.

5

Inner Side: Yellow Group 4D.

Innermost petals:

Outer side: Yellow Group 6C with light

intonations of Yellow-

10

Orange Group 22A at petal

margins.

Inner Side: Yellow Group 6C with light

intonations of Yellow-

Orange Group 22A at petal

margins.

15

Upon opening, basal petal spots:

No distinctive coloration

at the petal base

observed.

After opening, petals:

20

Outermost petals:

Outer side: Yellow Group 4D.

Inner Side: Yellow Group 4D.

Innermost petals:

Outer side: Yellow Group 4D.

25

Inner Side: Yellow Group 4D.

After opening, basal petal spots:

No distinctive coloration
at the petal base
observed.

General Tonality: On open flower Yellow
5 Group 4D. No change in
the general tonality at
the end of the 10th day.

Petals:

Petal Reflex: Somewhat reflexed.
10 Margin: Entire and uniform.
Shape: Apex is rounded. Base is
rounded, somewhat acute.
Size: 58 mm (l) 58 mm (w).
Texture: Smooth.
15 Thickness: Thick.
Arrangement: Formal.

Petaloids:

Quantity: 1 to 4.
Shape: Apex is rounded. Base is
rounded, somewhat acute.
20 Color: Upper and lower surfaces
are Yellow Group 4D.
Size: 45 mm (l) x 35 mm (w).

Reproductive Organs:

Pollen: None observed.

Anthers:
Size: 3 mm in length.

5 Color: Greyed-Yellow Group 160A.

Quantity: 230 (actual count).

Filaments:
Color: Yellow-Orange Group 14A to 17A.

10 Length: 7 mm.

Pistils:
Length: 10 mm.

Quantity: 140 (actual count).

Stigmas: Superior in location relative to the length of the filaments and the height of the anthers.

15 Color: Greyed-Yellow Group 160A.

Styles:
Color: Green-White Group 157A.

20 Intonations of Red-Purple Group 61C observed.

Hips: None Observed in the field nursery in Jackson County Oregon.

25

PLANT

Plant growth: Upright to bushy. When grown as a
5 budded field grown plant on *Rosa*
multiflora understock, the average
height of the plant is 60 to 100
cm. Average spread is 60 to 80 cm.

10 **Stems:**

Color:

Young wood: Yellow-Green Group 146C.
Older wood: Yellow-Green Group 146C.

Surface Texture:

15 Young wood: Smooth.
Older wood: Smooth.

Thorns:

Incidence: 5 thorns per 10 cm of
stem.
20 Size: Average length: 8 mm.
Color: Greyed-Yellow Group 160A.
Shape: Highly convex.

Plant foliage: Normal number of leaflets
25 on normal leaves in middle
of the stem: 5 leaflets.

Compound Leaf size: 150 mm (l) x 90 mm
(w) .

Color:

Mature Foliage:

5 Upper surface is: Yellow-Green
Group 146A.

Lower surface is: Yellow-Green
Group 147C.

Juvenile foliage:

10 Upper surface is: Yellow-Green
Group 144A.

Lower surface is: Yellow-Green
Group 144B.

Anthocyanin:

15 Location: Juvenile leaves.
Color: Greyed-Red Group
178A.

Plant leaves and leaflets:

20 Stipules:

Size: 25 mm long.

Shape: Linear, slightly broad
based with outward
extending apices.

25 Quantity: 2 per compound leaf.

Margins: Finely serrated with

medium stipitate glands.

Color: Yellow-Green Group 144A.

Petiole:

Length: 35 mm.

5

Above:

Color: Yellow-Green Group 144C.

Anthocyanin: Upper surface: Greyed-Red Group 181C.

Lower surface: Numerous stipitate glands and thorns observed.

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Rachis:

Length: 60 mm.

Above:

Color: Yellow-Green Group 144C.

Anthocyanin: Upper surface: Greyed-Red Group 181C.

Underneath:

Observations: Numerous stipitate glands and thorns observed.

20

Leaflet:

Edge: Serrated.

25

Size: 50 mm (l) x 40 mm (w).

Shape: Ovate. Bas is rounded.

5

Apex is acute.

Texture: Smooth.

Thickness: Thick.

Arrangement: Odd pinnate.

Venation: Reticulate.

Glossiness: Matte finish.

Disease resistance:

Above average resistance to mildew, rust, black
10 spot, and *Botrytis* under normal growing conditions in
Jackson County, Oregon.

Cold Hardiness:

The variety 'Poulpm003' has been found to be cold
15 tolerant to USDA Cold Hardiness Zone 6.